

LONDON- WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFA16-22 | Ladbroke to Handsacre

Register of local level effects (EC-005-003)

Ecology

November 2013

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Department
for Transport

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High Speed Two (HS2) Limited,
Eland House,
Bressenden Place,
London SW1E 5DU

Details of how to obtain further copies are available from HS2 Ltd.

Telephone: 020 7944 4908

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.hs2.org.uk

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Appendix EC-005-003

Environmental topic:	Ecology	EC
Appendix name:	Register of local/parish level effects (CFA16 to CFA22)	005-003
Community forum areas:	CFA16/ Ladbroke and Southam CFA17/ Offchurch and Cubbington CFA18/ Stoneleigh, Kenilworth and Burton Green CFA19/ Coleshill Junction CFA21/ Drayton Bassett, Hints and Weeford CFA20/ Curdworth to Middleton CFA22/ Whittington to Handsacre	0253

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1 Introduction

- 1.1.1 This document is an appendix which forms part of Volume 5 of the environmental statement (ES) for the Proposed Scheme. Table 1 provides a summary of expected local/parish level adverse effects on ecological receptors arising from the construction and operation of the Proposed Scheme for the following community forum area (CFA):
- CFA16: Ladbroke and Southam;
 - CFA17: Offchurch and Cubbington;
 - CFA18: Stoneleigh, Kenilworth and Burton Green;
 - CFA19: Coleshill Junction;
 - CFA20: Curdworth to Middleton;
 - CFA21: Drayton Bassett, Hints and Weeford; and
 - CFA22: Whittington to Handsacre.
- 1.1.2 The document should be read in conjunction with Volume 2 (Community forum area reports), Volume 3 (Route wide effects) and Volume 4 (Off-route effects).

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Table 1: Summary of local/parish level adverse effects arising from the construction/operation of the Proposed Scheme within CFA16 to CFA22 inclusive

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA16	Broadleaved woodland	Secondary woodland and scrub along the unnamed tributary of the River Itchen near Ladbroke	Construction	Permanent loss of approximately 0.06ha from within Ladbroke Fox Covert and approximately 0.96ha of broadleaved woodland along the unnamed tributary of the River Itchen which is contiguous with Ladbroke Fox Covert. There will also be severance of woodland along the unnamed tributary of the River Itchen.	Yes
CFA16	Individual trees	Individual trees along the route of the Proposed Scheme	Construction	Permanent loss of individual trees, mainly along hedgerows and field boundaries.	Yes
CFA16	Hedgerows	Hedgerows within land required for construction of the Proposed Scheme	Construction	Permanent residual loss and severance from hedgerows within the area.	Yes
CFA16	Semi-improved grassland	South of Berryhill Plantation	Construction	Permanent loss of 2.0ha of semi-improved grassland.	Yes
CFA16	Semi-improved grassland	Woodlands Farm, Radbourne Lane	Construction	Permanent loss of 1.9ha of semi-improved grassland.	Yes
CFA16	Semi-improved and unimproved grassland	Windmill Hill, Ladbroke Hill Farm	Construction	Permanent loss of 7.8ha of semi-improved and unimproved grassland.	Yes
CFA16	Semi-improved grassland	Starbold Farm	Construction	Permanent loss of 0.9ha of semi-improved grassland.	Yes
CFA16	Semi-improved grassland	South of Thorpe Bridge	Construction	Permanent loss of 16.8ha of semi-improved grassland.	Yes
CFA16	Fish	Unnamed tributary watercourse of the River Itchen near Ladbroke Fox Covert, east of Ladbroke	Construction	Permanent habitat loss for fish and severance caused by placement of culvert (approximately 100m) which will impede fish passage.	No

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA16	Amphibians	Water body (030-AA-125001) south-west of Southam, north-east of B4451	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body. Water body is within land required for construction of Proposed Scheme but will not be lost.	Yes
CFA16	Amphibians	Water body (030-AA-126011) west of Southam, North of A425 Leamington Road	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes
CFA16	Amphibians	Water body (030-AA-127010) south of Long Itchington and Ufton Woods and Bascote Heath, north of A425 Leamington Road	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA16	Amphibians	Water body (030-AA-128011) north of Long Itchington and Ufton Woods, west of Welsh Road	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA16	Amphibians	Water body (030-AA-128012) at northern edge of Long Itchington and Ufton Woods	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA16	Amphibians	Water body (030-AA-128013) within Long Itchington and Ufton Woods	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA16	Reptiles	Potential reptile population at the fish ponds at Lower Radbourne and surrounding habitat	Construction	Permanent loss of habitat which includes areas of scrub and woodland around fishing ponds connected to the wider landscape through hedgerows/streams. Habitat areas have been assessed as being suitable for reptiles from a high level desk study based on aerial photos (no survey due to lack of access).	Yes
CFA16	Reptiles	Grass snake population at Ladbroke Grove Farm near Windmill Hill Spinney	Construction	Permanent loss of habitats which include a single field containing rough grassland, bordered by thick/mature hedgerows connecting the area to the wider landscape.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA16	Reptiles	Potential reptile population using habitats along the River Itchen near Thorpe Bridge	Construction	Permanent loss of vegetation on and around banks of River Itchen, including part of Hill Farm Wood, connected to wider area through river, hedgerows and woodlands. Appears suitable for common reptile species particularly grass snake and common lizard.	Yes
CFA16	Breeding and wintering birds	Resident ¹ notable ² species dunnock, green woodpecker, marsh tit and song thrush using Windmill Hill Spinney, northeast of Ladbroke.	Construction	Permanent displacement of breeding birds due to loss of approximately 1.5ha of breeding and wintering habitat for these notable species within and surrounding Windmill Hill Spinney. Noise and visual disturbance from construction activities to both breeding and wintering birds.	Yes
CFA16	Breeding and wintering birds	Resident notable woodland species using wet woodland near the fish ponds at Lower Radbourne	Construction	<p>Permanent displacement of breeding birds due to loss of approximately 1.8ha of breeding and wintering habitat for these notable species within wet woodland near the fish ponds at Lower Radbourne.</p> <p>Noise and visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.</p>	Yes

¹ Species which are present in summer and winter.

² Notable species are species that are either protected under Schedule 1 of the Wildlife and Countryside Act (1981, as amended) or Annex 1 of the Bird Directive (79/409/EEC) or are Birds of Conservation Concern (BoCC) due to global or European conservation concern or declines in national population size or distribution over the last 25 years. This can include common and widespread species, such as song thrushes (Red List BoCC) and dunnocks (Amber List BoCC).

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA16	Breeding and wintering birds	Resident notable woodland species using Fox Covert, east of Ladbroke.	Construction	<p>Permanent displacement of breeding birds due to loss of approximately 1.5ha of breeding and wintering habitat for these notable species within and adjacent to Ladbroke Fox Covert. Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.</p>	Yes
CFA16	Bats	One building along A423 Banbury Road, Southam, within the land required for the construction of the Proposed Scheme	Construction	Permanent loss of summer (non-breeding) roost for common pipistrelle. Common pipistrelle is a common species both within Warwickshire and in England. Roost confirmed through inspection survey only and the numbers of droppings found and potential roost features identified are indicative of a summer (non-breeding) transient roost.	Yes
CFA16	Bats	Bat assemblage associated with foraging and commuting habitat surrounding a farm south-west of A423 Banbury Road, Southam	Construction	Permanent loss and severance of hedgerows within the land required for the construction of the Proposed Scheme that support low levels of activity recorded by commoner bat species including common pipistrelle and soprano pipistrelle. Occasional passes for noctule and <i>Myotis</i> species were confirmed.	Yes
CFA16	Bats	Bat assemblage associated with foraging and commuting habitat surrounding habitats west of Radborne Lane, adjacent to Ladbroke Fox Covert	Construction	Permanent loss and severance of field boundaries (hedgerows) within the land required for the construction of the Proposed Scheme that support moderate levels of bat activity. Species include common pipistrelle and soprano pipistrelle. Individual passes by noctule and <i>Myotis</i> species were also recorded.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA16	Bats	Population of common pipistrelle within a building associated with a farm, south-east of Long Itchington and Ufton Woods SSSI	Construction	Temporary disturbance to a building roost, approximately 70m from the land required for the construction of the Proposed Scheme, as a result of vibration and noise during construction. Found to support a common pipistrelle summer (non-breeding) roost with a peak emergence of one.	Yes
CFA16	Badger	Two social territories partly within land required for the construction of the Proposed Scheme	Construction	Permanent loss of one active outlier sett and the potential disturbance of one active main sett and two active subsidiary setts. Reduction in foraging habitat and severance of two social territories.	Yes
CFA16	Badger	Two social territories within the vicinity of the Proposed Scheme	Operation	Permanent loss of individual badgers due to collision with trains.	Yes
CFA17	Broadleaved plantation woodland	Adjacent to Welsh Road, Welsh Road Farm	Construction	Permanent loss of 0.1ha of plantation woodland	Yes
CFA17	Broadleaved plantation woodland	Adjacent to Welsh Road, south of Burnt Firs	Construction	Permanent loss of strip of 1.4ha of plantation woodland bordering arable fields. There will also be severance of the woodland.	Yes
CFA17	Hedgerows	Hedgerows within the land required for construction of the Proposed Scheme	Construction	Permanent residual loss and severance from hedgerows within the area.	Yes
CFA17	Semi-improved grassland	Adjacent to Welsh Road, Welsh Road Farm.	Construction	Permanent loss of 0.5ha of semi-improved grassland. The proposed Scheme will also result in severance of the grassland field.	Yes
CFA17	Fish	Unnamed tributary watercourse of the River Leam at Valley fields, 650m North East of Offchurch	Construction	Permanent habitat loss for fish and severance caused by culvert placement (approximately 100m) which will impede fish passage.	No
CFA17	Amphibians	Water body (030-AA-131004) east of Highfield	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA17	Amphibians	Water body (030-AA-132002) east of River Leam	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA17	Reptiles	Grass snake population at Fields Farm, Hunningham Road, Offchurch	Construction	Permanent loss of habitats supporting a low population size class of grass snake.	Yes
CFA17	Reptiles	Potential reptile population at Burnt Firs plantation woodland and Reservoir	Construction	Permanent loss of reservoir and plantation woodland with patches of rough grassland which appear suitable for common reptile species such as grass snake.	Yes
CFA17	Reptiles	Potential reptile population at Offchurch Greenway (disused railway)	Construction	Permanent loss of linear habitat corridor with limited potential to support common reptile species.	Yes
CFA17	Reptiles	Potential reptile population using bank side habitats on the River Leam	Construction	Permanent loss of small areas of rough grassland and bank side habitat among intensive arable landscape, good habitat links to wider landscape through the river corridor.	Yes
CFA17	Reptiles	Potential reptile population at South Cubbington Wood Local Wildlife Site (LWS)	Construction	Permanent loss of open broad leaved woodland with some potential for reptiles, good connections with surrounding landscape through hedgerows and North Cubbington Wood.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA17	Breeding and wintering birds	Resident notable woodland species using South Cubbington Wood LWS, east of Cubbington.	Construction	<p>Permanent displacement due to loss of approximately 2ha of breeding and wintering habitat for these notable species within South Cubbington Wood. Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>A small area of South Cubbington Wood was surveyed (not within the land required for construction of the Proposed Scheme) and this supported notable breeding species common whitethroat (breeding only), dunnoek, song thrush, starling and willow warbler (breeding only). The LWS citation only includes historic records of breeding nightingale, although this declining Amber List BoCC species is no longer thought to breed in the area.</p>	Yes
CFA17	Bats	Common and soprano pipistrelle roost in a residential building along Welsh Road	Construction	Temporary disturbance of a summer (non-breeding) roost for small number of common pipistrelle and soprano pipistrelle from vibration and noise during construction.	Yes
CFA17	Bats	Assemblage of bats using foraging and commuting habitats associated with field boundaries within land between North Cubbington Wood and Coventry Road.	Construction	Permanent severance of commuting routes used by moderate levels of common pipistrelle and soprano pipistrelle. Both species are considered to be common and widespread across the UK. Bats utilising retained hedgerows during construction may be subject to disturbance from lighting and noise. These impacts may temporarily deter bats from using habitats and move bats away from commuting habitats.	Yes
CFA17	Badger	One social territory within land required for the construction of the Proposed Scheme	Construction	Permanent loss of one active outlier sett and one partially active outlier sett. Reduction in foraging habitat and severance of two social territories.	Yes
CFA17	Badger	One social territory within the vicinity of the Proposed Scheme	Operation	Permanent loss of individual badgers due to collision with trains.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Broadleaved woodland	Park Farm, Stareton	Construction	Permanent loss of 1.6ha of broadleaved woodland (unnamed near Park Farm)	Yes
CFA18	Broadleaved plantation woodland	Along roadside through Stareton	Construction	Permanent loss of 0.66ha of broadleaved plantation woodland. Severance will occur in this woodland.	Yes
CFA18	Broadleaved plantation woodland	Adjacent to Stoneleigh Road	Construction	Permanent loss of 0.3ha of broadleaved plantation woodland.	Yes
CFA18	Broadleaved plantation woodland	Patch along the north of Stoneleigh Park	Construction	Permanent loss of 0.3ha patch of broadleaved plantation woodland.	Yes
CFA18	Broadleaved woodland	Along edge of the River Avon	Construction	Permanent loss of a 0.1ha strip of broadleaved woodland.	Yes
CFA18	Broadleaved woodland	Along Crackley Lane, Kenilworth	Construction	Permanent loss of 0.6ha strip of broadleaved woodland.	Yes
CFA18	Broadleaved plantation woodland	Along both sides of A46, next to Kenilworth Golf Course	Construction	Permanent loss of 3.4ha of broadleaved plantation woodland.	Yes
CFA18	Hedgerows	Hedgerows within the land required for construction of the Proposed Scheme	Construction	Permanent residual loss and severance from hedgerows within the area.	Yes
CFA18	Semi-improved grassland	New Kingswood Farm, next to Kenilworth Golf Course	Construction	Permanent loss of 4ha of semi-improved grassland.	Yes
CFA18	Semi-improved grassland	Dalehouse Farm, north of Dalehouse Lane, Kenilworth	Construction	Permanent loss of five patches of semi-improved grassland totalling 5.8ha.	Yes
CFA18	Semi-improved neutral grassland	Milburn Grange, Kenilworth	Construction	Permanent loss of 0.8ha of semi-improved neutral grassland.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Semi-improved grassland	Milburn Grange, Kenilworth	Construction	Permanent loss of 11.9ha of semi-improved grassland.	Yes
CFA18	Semi-improved grassland	Adjacent to Kenilworth Greenway and Broadwells Wood	Construction	Permanent loss of 10.54ha of semi-improved grassland.	Yes
CFA18	Semi-improved grassland	South of Beanit Spinney, Burton Green	Construction	Permanent loss of 1.61ha of semi-improved grassland.	Yes
CFA18	Semi-improved neutral and poor grassland	Electricity Sub-station, next to Kenilworth Greenway, Burton Green	Construction	Permanent loss of 2.88ha of semi-improved neutral grassland and 1.2ha of poor semi-improved grassland.	Yes
CFA18	Semi-improved grassland	Odnauil End Farm, Waste Lane, Burton Green	Construction	Permanent loss of 1.63ha of semi-improved grassland.	Yes
CFA18	Watercourse habitat	Three unnamed tributary watercourses of the Canley Brook at Crackley Woods, Broadwells Woods and Burton Green	Construction	Permanent adverse impacts on watercourse habitat form and function as a result of habitat loss and severance created by culvert placement.	No
CFA18	Veteran trees	Six veteran trees within remnant areas of parkland and a former deer park associated with Stareton and Stoneleigh between the B445 Leicester Lane and the B4115 Ashow Road. Species include pedunculate oak, Turkey oak and hazel.	Construction	Permanent loss of six veteran trees.	No

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Terrestrial invertebrates	Assemblages using habitats at Milburn Grange Farm (030-IT-141001), Greens Wood (030-IT-143001), Black Waste Wood (030-IT-146001), and Little Pools Wood (030-IT-146002)	Construction	<p>Permanent loss of woodland and linear boundary features such as hedgerows and field margins would result in fragmentation and smaller units of habitat. Fragmentation of habitat between closely associated woodlands such as Little Pools Wood and Black Waste Wood may affect localised species movement.</p> <p>Night time construction working or safety lighting may affect night-flying invertebrates, including moths. This may encourage them to congregate around any illumination and distort natural behaviour.</p>	Yes
CFA18	Fish	Fish populations on three unnamed tributary watercourses of the Canley Brook at Crackley Woods, Broadwells Woods and Burton Green	Construction	Permanent loss of habitat for fish and creation of a barrier to fish movement due to culvert placement.	No
CFA18	Amphibians	Terrestrial habitat used by amphibians in a water body within assumed great crested newt metapopulation AMP14 (030-AA-144006, 030-AA-144002, 030-AA-144013, 030-AA-144008) east of Broadwells wood	Construction	Whilst there would be no significant effects on the overall AMP14, there would be permanent loss of 32.1ha of woodland, field and hedgerows within 250m of a water body within the AMP which supports a small population of great crested newts, along with smooth newts, palmate newts, common frog and common toad.	Yes
CFA18	Amphibians	Water body (030-AA-137014) south of Waverly Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (030-AA-139007) west of Stoneleigh Park	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (030-AA-139010) north of Stoneleigh Park	Construction	Permanent loss of water body.	Yes
CFA18	Amphibians	Water body (030-AA-140017) at Kenilworth Golf Club	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Amphibians	Water body (030-AA-141004) south of Westerly Bridge	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (030-AA-143010) north of Kenilworth	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (030-AA-143012) south of Cryfield Grange	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (030-AA-144001) south east of Broadwells Wood	Construction	Permanent loss of water body.	Yes
CFA18	Amphibians	Water body (030-AA-144003) south east of Broadwells Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (030-AA-145001) south west of Broadwells Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-146001) at Little Poors Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-146002) at Little Poors Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-146010) at Big Poors Wood	Construction	Permanent loss of water body.	Yes
CFA18	Amphibians	Water body (040-AA-146021) north of Little Poors Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-146022) north of Little Poors Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-146023) north of Little Poors Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Amphibians	Water body (040-AA-146025) west of Little Poors Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-147002) at Beanit Spinney	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA18	Amphibians	Water body (040-AA-147005) at Waste Lane	Construction	Permanent loss of water body.	Yes
CFA18	Amphibians	Water body (040-AA-147028) at Waste Lane	Construction	Permanent loss of water body.	Yes
CFA18	Amphibians	Water body (040-AA-147029) at Waste Lane	Construction	Permanent loss of water body.	Yes
CFA18	Amphibians	Water body (040-AA-147034) at Waste Lane	Construction	Permanent loss of water body.	Yes
CFA18	Reptiles	Grass snake population at Cryfield Grange Farm	Construction	Permanent loss of habitat used by low population size class of grass snake.	Yes
CFA18	Reptiles	Grass snake population at Dalehouse Lane	Construction	Permanent loss of habitat used by low population size class of grass snake	Yes
CFA18	Reptiles	Grass snake population at Roughknowles Wood	Construction	Permanent partial loss of habitat which supports a low population size class of grass snake.	Yes
CFA18	Reptiles	Grass snake population at Stoneleigh Estate	Construction	Permanent loss of habitat which supports a low population size class of grass snake.	Yes
CFA18	Reptiles	Potential reptile population at Dalehouse Farm	Construction	Permanent loss of varied habitat with dense hedgerows and semi improved grassland that could support reptiles.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Reptiles	Potential reptile population at Kenilworth Golf Course	Construction	Permanent loss of suitable reptile habitat consisting of managed grassland and wooded areas with areas of rougher grassland throughout that could support reptiles.	Yes
CFA18	Reptiles	Potential reptile population at Kenilworth Greenway (disused railway)	Construction	Permanent loss of habitat along linear corridor with limited potential to support common reptile species.	Yes
CFA18	Breeding and wintering birds	Resident notable woodland species using Birches Wood, north of Kenilworth.	Construction	<p>Permanent displacement due to loss of breeding and wintering habitat for these notable species.</p> <p>Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed and information is not available on the notable species present. Birches Wood is likely to support common notable woodland species</p>	Yes
CFA18	Breeding and wintering birds	Notable woodland species using Broadwells Wood LWS, south of Burton Green	Construction	<p>Permanent displacement of breeding birds due to loss of approximately 4.35ha of breeding and wintering habitat for these notable species within Broadwells Wood. Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed. Citation for the LWS includes common notable woodland species bullfinch, marsh tit, song thrush, stock dove and willow warbler (breeding only). Broadwells Wood is likely to support common notable woodland species</p>	Yes
CFA18	Breeding birds	Notable woodland species using Broadwells Wood LWS, south of Burton Green (see above).	Operation	Permanent but discontinuous impact of noise from passing trains may displace some notable species, reducing breeding density.	No

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Breeding and wintering birds	Black Waste Wood LWS, north of Kenilworth.	Construction	Permanent displacement of breeding birds due to loss of approximately 1ha of breeding and wintering habitat for these notable species within Black Waste Wood. Noise/visual disturbance from construction activities to both breeding and wintering birds. This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.	Yes
CFA18	Breeding and wintering birds	Resident notable bird species: bullfinch, dunnock, mistle thrush, song thrush, and starling using Roughknowles Wood, northeast of Kenilworth.	Construction	Permanent displacement of breeding birds due to loss of approximately 0.5ha of breeding and wintering habitat for these notable species within Roughknowles Wood. Noise and visual disturbance from construction activities to both breeding and wintering birds.	Yes
CFA18	Breeding birds	Kingfisher, Canley Brook, north of Kenilworth	Construction	Permanent displacement due to loss of possible nest site on the banks of the Canley Brook (breeding behaviour was identified during surveys, but nest site was not located), due to realignment of the brook	Yes
CFA18	Bats	Assemblage of bats using foraging and commuting habitats north of B4115 Ashow Road	Construction	Permanent loss and severance of habitats, which are within the land required for construction of the Proposed Scheme support low levels of activity by common and soprano pipistrelle bats and brown long-eared bats, species which are common and widespread both within Warwickshire and in England.	Yes
CFA18	Bats	Assemblage of bats using foraging and commuting habitats south of Dalehouse Lane, adjacent to Kenilworth Golf Course	Construction	Permanent loss and severance of habitats which are within the land required for the construction of the Proposed Scheme. Surveys identified moderate levels of activity by more common bat species including common pipistrelle and soprano pipistrelle in habitats within the land required for construction of the Proposed Scheme.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA18	Bats	Populations of common and soprano pipistrelle at two tree roosts on the Stoneleigh Business Park	Construction	Permanent loss of two tree roosts within land required for the construction of the Proposed Scheme found to support individuals of soprano pipistrelle with a peak emergence of one, and a roost with either an individual common pipistrelle or soprano pipistrelle observed during a detailed inspection.	Yes
CFA18	Badger	Ten social territories within the vicinity of the Proposed Scheme	Construction	Permanent loss of two active subsidiary setts, sixteen active outlier setts and ten partially active outlier setts. Potential disturbance of one active subsidiary sett. Reduction in foraging habitat and severance of nine social territories.	No
CFA18	Badger	Ten social territories within the vicinity of the Proposed Scheme	Operation	Permanent loss of individual badgers due to collision with trains.	Yes
CFA19	Broadleaved and mixed woodlands	Coleshill Hall	Construction	Permanent loss of 1.0ha of broadleaved plantation woodland and permanent loss of 0.3ha of mixed plantation woodland.	Yes
CFA19	Hedgerows	Hedgerows within the land required for construction of the Proposed Scheme	Construction	Permanent residual loss and severance from hedgerows within the area.	Yes
CFA19	Semi-improved grassland	Adjacent to the south side of Green Lane	Construction	Permanent loss of 1.8ha of semi-improved grassland	Yes
CFA19	Semi-improved grassland	Between Gilson Road and Gilson Drive	Construction	Permanent loss of 0.4ha of semi-improved grassland	Yes
CFA19	Semi-improved grassland	Around Gilson Hall and Chattle Hill	Construction	Permanent loss of 13.5ha of semi-improved grassland	Yes
CFA19	Semi-improved grassland	To the south-east of Water Orton and north of M42	Construction	Permanent loss of 22.9ha of semi-improved grassland	Yes
CFA19	Semi-improved grassland	Directly to the south of Water Orton, north of the M42	Construction	Permanent loss of 4.7ha of semi-improved grassland.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA19	Semi-improved grassland	Near Watton Lane, Water Orton	Construction	Permanent loss of 1.8ha of semi-improved grassland	Yes
CFA19	Fish	Population using the River Cole	Construction	Temporary adverse effect on fish populations due to realignment of watercourse. Adverse effect will be offset through time as new alignment channel morphology develops as fish colonisation occurs. Potential for improvement to fish populations as habitats become established.	No
CFA19	Amphibians	Water body (030-AA-160001) south west of Coleshill	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-160002) west of M6 toll and north east of Chelmsley Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-160004) east of River Cole	Construction	Permanent loss of water body.	Yes
CFA19	Amphibians	Water body (030-AA-160007) north of Chelmsley Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-161003) south-west of M6 Toll	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-161004) north-east of M6 Toll	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-161008) south west of River Cole	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-162002) east of Gilson	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-162009) south-west Coleshill	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA19	Amphibians	Water body (030-AA-162010) south of Gilson	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-162011)at Gilson	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body(030-AA-162012) at Gilson	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body(030-AA-163006) at Gilson	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-195004) within The Belt, south of M42	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-211009)at north-east of Water Orton	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA19	Amphibians	Water body (030-AA-211010) north-east of Water Orton	Construction	Permanent loss of water body.	Yes
CFA19	Reptiles	Grass snake population at Coleshill Sewage Treatment Works	Construction	Permanent loss of habitat supporting low population size class of grass snake.	Yes
CFA19	Reptiles	Potential reptile population using land around Coleshill Manor Office Campus, south of Green Lane	Construction	Permanent loss of good habitat in woodland edge features and rough grassland isolated within a much larger area due to major roads and rivers. Potential to support common reptile species.	Yes
CFA19	Reptiles	Potential reptile population using land around Water Orton Primary School	Construction	Permanent loss of good habitat in woodland edge features particularly in southern section of site, isolated by road network. Potential to support common reptile species.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA19	Reptiles	Potential reptile population using land either side of Gilson Drive, east of the M6 Toll	Construction	Permanent loss of rough grassland habitat with hedgerows and scrub isolated by the road network. Potential to support common reptile species.	Yes
CFA19	Reptiles	Potential reptile population using land west of Cole End, east of M42	Construction	Permanent loss of good grassland habitats on site with hedgerow boundaries and a ditch. Isolated by the road network. Potential to support common reptile species.	Yes
CFA19	Reptiles	Potential reptile population using land South of Woodlands Cemetery	Construction	Permanent loss of short sward pasture grassland throughout the site with hedgerows and river banks. Potential to support common reptile species.	Yes
CFA19	Reptiles	Potential reptile population using land behind residential property 380 m east of Water Orton Primary School on Vicarage Lane, Water Orton	Construction	Permanent partial loss of mature garden with wild/over grown patches and potential to support common reptile species.	Yes
CFA19	Breeding and wintering birds	Resident notable bird species: bullfinch, dunnock and song thrush using Coleshill Park Belt LWS, north-west of Coleshill.	Construction	Permanent displacement of breeding birds due to loss of approximately 2.7ha of breeding and wintering woodland habitat for these notable species within Coleshill Park Belt LWS. Noise and visual disturbance from construction activities to both breeding and wintering birds.	No
CFA19	Breeding birds	Lapwings using, arable fields around Coleshill Manor Office Campus, Coleshill	Construction	Permanent displacement due to loss of arable fields used by breeding lapwings	No

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA19	Bats	Assemblage of bats using roosting, foraging and commuting habitats north of Gilson Hall	Construction	Permanent loss and severance of scrub, hedgerows and grassland habitats near the village of Gilson that support a concentration of commuting and foraging bats dominated by the two common species: common and soprano pipistrelle. A small number of brown long-eared bat passes were also recorded. Occasional records of rarer bats include Leisler's and noctule and only a very small number of calls were recorded. Similarly, a small number of <i>Myotis</i> species passes are likely to represent irregular commuting or opportunistic foraging rather than core foraging activity.	Yes
CFA19	Bats	Population of pipistrelle and brown long eared bat at summer (non-breeding) day or transitional roosts associated with four buildings at Gilson	Construction	Temporary disturbance to four summer (non-breeding) roosts for small numbers of pipistrelle and brown long-eared bats from vibration and noise during construction.	Yes
CFA19	Badger	Five social territories within the vicinity of the Proposed Scheme	Construction	Permanent loss of two active subsidiary setts, five active outlier setts and two partially active outlier setts. Potential disturbance of one active main sett and one active annexe sett. Reduction in foraging habitat and severance of four social territories.	No
CFA19	Badger	Ten social territories within the vicinity of the Proposed Scheme	Operation	Permanent loss of individual badgers due to collision with trains.	Yes
CFA20	Broadleaved plantation woodland	School Farm, Marston Lane bridge	Construction	Permanent loss of 7.8ha of broadleaved plantation woodland	Yes
CFA20	Woodland	Next to Middleton Hall Farm Quarry, south of Aston Villa Football Club training ground	Construction	Permanent loss of 1.8ha of broadleaved plantation woodland	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Hedgerows	Hedgerows within the land required for construction of the Proposed Scheme	Construction	Permanent residual effect from loss and severance of hedgerows.	Yes
CFA20	Semi-improved grassland	Coleshill Sewage Treatment Works	Construction	Permanent loss of 3.8ha of semi-improved grassland	Yes
CFA20	Semi-improved grassland	East of Dunton Hall	Construction	Permanent loss of 7.1ha of semi-improved grassland	Yes
CFA20	Semi-improved and marshy grassland	In-between Pool-Head plantation and Walker's spinney	Construction	Permanent loss of 2.7ha of semi-improved and marshy grassland	Yes
CFA20	Watercourse habitat	Gallows Brook 800m north of Middleton	Construction	Permanent loss of habitat (49.8m) and severance of watercourse and its corridor through culvert placement.	No
CFA20	Terrestrial invertebrates	Assemblage using habitat at Cuttle Mill Fishery	Construction	<p>Permanent loss and fragmentation of woodland habitat may impact affect localised species movement.</p> <p>Night time construction working or safety lighting may affect night-flying invertebrates, including moths. This may encourage them to congregate around any illumination and distort natural behaviour.</p>	Yes
CFA20	Amphibians	Water body (030-AA-165009) south-east Birch Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-165011) north-west of Coleshill	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-167001) south-west Marston Field Bridge	Construction	Permanent loss of water body.	Yes
CFA20	Amphibians	Water body (030-AA-167002) west of Dunton Wood	Construction	Permanent loss of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Amphibians	Water body (030-AA-167009) north of M42 J9, west of Marston	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body a(030-AA-167016) Dunton Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-167017) at Dunton Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerow within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-167020) north-east of Dunton Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerow within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-167027) north of Marston Field Bridge	Construction	Permanent loss of water body.	Yes
CFA20	Amphibians	Water body (030-AA-168001) west of The Belfry, north of M42 J9	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-168002b) west of The Belfry, north of M42 J9	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-168016) west of The Belfry, north of M42 J9	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170002) south of Coneybury Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170003) south of Coneybury Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Amphibians	Water body(030-AA-170004) north-east of Coneybury Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170009) south of Coneybury Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170011) north-east of Coneybury Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170012) west of Middleton, west of A4091	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170013) at Middleton Park	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170019) north-east of Coneybury Woods	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body(030-AA-170029) west of Coneybury Woods	Construction	Permanent loss of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170035) at Coneybury Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-170036) south of Middleton Park	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-171001) north-west of Pool Head Plantation, east of sewage works	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-171002)at Middleton	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-171021)at Middleton	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Amphibians	Water body (030-AA-171027)at Middleton	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Amphibians	Water body (030-AA-173001)north-east of Marl Pit	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA20	Reptiles	Grass snake population close to Marston Lane Bridge (between Belfry GC and M42)	Construction	Permanent loss of habitat supporting a high population size class of grass snake.	Yes
CFA20	Reptiles	Grass snake population at east side of road Tamworth to Curdworth, Middleton – Hanson Quarries	Construction	Permanent loss of habitat supporting a low population size class of grass snake.	Yes
CFA20	Reptiles	Grass snake population at Hams Hall Distribution Park	Construction	Permanent loss of habitat supporting a low population size class of grass snake.	Yes
CFA20	Reptiles	Grass snake population at plantation woodland near Marston Lane Bridge over the M42	Construction	Permanent loss of habitat supporting a low population size class of grass snake, common lizard and slow worm.	Yes
CFA20	Breeding birds	Sand martin at Middleton Hall Farm Quarry, southeast of Middleton.	Construction	Permanent displacement due to loss of existing sand bank used by breeding for sand martins. Noise/visual disturbance from construction activities.	Yes
CFA20	Breeding birds	Little ringed plover and oystercatcher at Middleton Hall Farm Quarry, southeast of Middleton.	Construction	Temporary displacement due to loss of some breeding habitat for these notable species and noise and visual disturbance from construction activities.	No

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Breeding and wintering birds	Resident notable woodland species using North Wood LWS, west of Bodymoor Heath.	Construction	<p>Permanent displacement due to loss of approximately 2.2ha of breeding and wintering habitat for common notable woodland species within North Wood LWS. Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed. Citation information includes common notable woodland species bullfinch, green woodpecker and song thrush. North Wood is likely to support common notable woodland species.</p>	Yes
CFA20	Breeding and wintering birds	Resident notable woodland species using Hams Hall Wood LWS, south of Bodymoor Heath.	Construction	<p>Permanent displacement due to loss of approximately 1.8ha of breeding and wintering habitat for common notable woodland species within Hams Hall Wood LWS. Noise and visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed. Citation information includes common notable woodland species as well as rarer species such as lesser spotted woodpecker, spotted flycatcher and willow tit.</p>	Yes
CFA20	Breeding birds	Little ringed plover, oystercatcher and sand martin, Middleton Hall Farm Quarry, southeast of Middleton.	Operation	Permanent but discontinuous impact of noise from passing trains may displace some notable species, reducing breeding density.	No
CFA20	Breeding birds	Notable woodland species, North Wood, west of Bodymoor Heath.	Operation	<p>Permanent but discontinuous impact of noise from passing trains may displace some notable species, reducing breeding density.</p> <p>This woodland was not surveyed. Citation information includes common notable woodland species bullfinch, green woodpecker and song thrush. North Wood is likely to support common notable woodland species</p>	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Bats	Population of brown long-eared bat using a building roost at a farm north of A4097 Kingsbury Road	Construction	Permanent loss of one building found to support individuals of brown long-eared bat within the land required for the construction of the Proposed Scheme. Roost confirmed through droppings only, no emergence confirmed. Brown long-eared bat are widespread and common within the UK.	Yes
CFA20	Bats	Populations of common pipistrelle and brown long-eared bat using four building roosts south of A4097 Kingsbury Road	Construction	Permanent isolation of four building roosts from suitable foraging habitat outside of land required for the construction of the Proposed Scheme and may result in the permanent abandonment of these roosts. Roosts found to support individuals of common pipistrelle and brown long-eared bat (peak emergence of one). Both species are widespread and common within the UK.	Yes
CFA20	Bats	Population of common pipistrelle and brown long-eared bat using roosts within two buildings at a farm south of Bodymoor Heath Lane	Construction	<p>Permanent loss of two building roosts within land required for the construction of the proposed Scheme.</p> <p>One building found to support a small number of common pipistrelle bat, likely summer (non-breeding) roosts. Roost confirmed through DNA analysis of bat droppings only. Dropping numbers (>30) and distribution consistent with small summer non-breeding or transient roost.</p> <p>The second building roost was found to support feeding perch for brown long-eared bat. Species confirmed through DNA analysis of bat droppings only. Dropping numbers (50-100) were found on top of a mezzanine floor within an open sided barn below a suitable feeding perch.</p>	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA20	Bats	Assemblage of bats using commuting habitats associated with Hams Hall Distribution Centre	Construction	Permanent loss and severance of habitats found to support low levels of commuting activity by commoner bat species such as common pipistrelle and soprano pipistrelle.	Yes
CFA20	Badger	Three social territories within the vicinity of the Proposed Scheme	Construction	Permanent loss of one partially active outlier sett. Reduction in foraging habitat and severance of three social territories.	Yes
CFA20	Badger	Three social territories within the vicinity of the Proposed Scheme	Operation	Permanent loss of badgers due to collision with trains.	Yes
CFA21	Broadleaved plantation woodland	Situated along the verge of the A5, east of Flats Lane	Construction	Permanent loss from a 0.92ha strip of young plantation woodland.	Yes
CFA21	Hedgerows	Hedgerows within the land required for construction of the Proposed Scheme	Construction	Permanent residual effect from loss and severance of hedgerows.	Yes
CFA21	Improved and semi-improved grassland	South-west of Job's Hill Plantation	Construction	Permanent loss of 6.8ha of mixed improved and semi-improved grassland.	Yes
CFA21	Watercourse habitat	Gallows Brook	Construction	Permanent loss of habitat (approximately 50m) and severance of watercourse and its corridor through culvert placement.	No
CFA21	Watercourse habitat	Unnamed tributary watercourse of the Black – Bourne Brook 2km south west of Mile Oak	Construction	Permanent loss of habitat (approximately 70m) and severance of watercourse and its corridor through culvert placement.	No
CFA21	Watercourse habitat	Unnamed tributary watercourse of the Black – Bourne Brook 150m south of Roundhill Wood	Construction	Permanent loss of habitat (approximately 70m) and severance of watercourse and its corridor through culvert placement.	No

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Terrestrial invertebrates	Assemblages using habitats at Hill Farm (030-IT-174001), Flat's Lane (030-IT-178001), and Packington Moor Farm (030-IT-179001)	Construction	<p>Permanent loss of habitats and severance of networks, principally field boundary systems and corridors affecting poor dispersal species. Also, disruption of arable margin networks would affect species that utilize such features to forage and commute. Fragmentation and isolation of sites would affect those species with poor means of dispersal.</p> <p>Night time construction working or safety lighting may affect night-flying invertebrates, including moths. This may encourage them to congregate around any illumination and distort natural behaviour.</p>	Yes
CFA21	Fish	Population using unnamed tributary watercourse of the Black – Bourne Brook 2km south west of Mile Oak	Construction	Permanent habitat loss for fish and severance caused by the culvert (approximately 70m) will impede fish passage.	No
CFA21	Fish	Population using unnamed tributary watercourse of the Black Bourne Brook 150m south of Roundhill Wood	Construction	Permanent adverse effect due to the extent of habitat loss for fish and the degree of severance caused by the culvert (approximately 70m) will impede fish passage.	No
CFA21	Amphibians	Water body (030-AA-174001) north-east of Bangley Wood	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-174002) north of Bangley Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-174019) south of Oakleigh	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-174022) south of Oakleigh	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-175001) south-east of Brockhurst	Construction	Permanent loss of water body.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Amphibians	Water body (030-AA-175003) south-east of Brockhurst	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176002) near Bourne Brook and Bourne Cut Corridor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176003) west of Brockhurst	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176008) west of Brockhurst	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176009) east of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176010) north of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177002) north of Brockhurst Lane (known locally as Rookery Lane), east of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177004) north of Brockhurst Lane (known locally as Rookery Lane), east of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177007) west of Bourne Brook and Bourne Cut Corridor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177008) south-east of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177009) south-east of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Amphibians	Water body (030-AA-177010)west of Brockhurst Lane (known locally as Rookery Lane), south east of Rough Leasow	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177012)east of Church Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-178002) south of A5, north-west of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-178018)south of A5, north-west of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-179002) south-west of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-179008) south-west of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body at (030-AA-179009)Moor covert	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-179010) south-west of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-179011) north-east of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-180007) north of Jerry's lane, south of Whittington Barracks	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body(030-AA-174001) north-east of Bangley Wood	Construction	Permanent loss of water body.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Amphibians	Water body (030-AA-174002) north of Bangley Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-174019) south of Oakleigh	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-174022) south of Oakleigh	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-175001) south-east of Brockhurst	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-175003) south-east of Brockhurst	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176002) Bourne Brook and Bourne Cut Corridor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176003) west of Brockhurst	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176008) west of Brockhurst	Construction	Permanent loss of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176009) east of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-176010) north of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177002) north of Brockhurst Lane (known locally as Rookery Lane), east of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177004) north of Brockhurst Lane (known locally as Rookery Lane), east of Hints	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Amphibians	Water body (030-AA-177007) west of Bourne Brook and Bourne Cut Corridor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177008) south east of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177009) south east of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177010) west of Brockhurst Lane (known locally as Rookery Lane), south east of Rough Leasow	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-177012) east of Church Wood	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-178002) south of A5, north-west of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-178018) south of A5, north-west of Weeford	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA21	Amphibians	Water body (030-AA-179002) south-west of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes
CFA21	Amphibians	Water body (030-AA-179008) south-west of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes
CFA21	Amphibians	Water body (030-AA-179009) moor covert	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes
CFA21	Amphibians	Water body (030-AA-179010) south-west of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes
CFA21	Amphibians	Water body (030-AA-179011) north-east of Packington Moor	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Amphibians	Water body (030-AA-180007) north of Jerry's lane, south of Whittington Barracks	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body	Yes
CFA21	Reptiles	Potential reptile population using Marl Pits (disused) at Land East of Upper House Farm, south-west of Drayton Bassett	Construction	Permanent loss of rough semi-improved grassland, a lake and an area of scrub forming a good habitat mosaic with potential to support all four of the common reptile species.	Yes
CFA21	Breeding and wintering birds	Resident notable woodland species using Jobs Hill Plantation, west of Hints.	Construction	<p>Permanent displacement due to loss of approximately 1.1ha of breeding and wintering habitat for common notable woodland species within Job's Hill Plantation. Noise and visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.</p>	Yes
CFA21	Breeding and wintering birds	Notable woodland species using Roundhill Wood SBI, west of Hints.	Construction	<p>Permanent displacement due to loss of approximately 1.1ha of breeding and wintering habitat for common notable woodland species within Roundhill Wood. Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.</p>	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Breeding and wintering birds	Notable woodland species using the Rookery SBI, west of Hints.	Construction	<p>Permanent displacement due to loss of approximately 1.7ha of breeding and wintering habitat for common notable woodland species within the Rookery.</p> <p>Noise/visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.</p>	Yes
CFA21	Breeding birds	Notable woodland species, Jobs Hill Plantation, west of Hints.	Operation	<p>Permanent but discontinuous impact of noise from passing trains may displace some notable species, reducing breeding density.</p> <p>This woodland was not surveyed, and information is not available on the notable species present, but is likely to support common notable woodland species.</p>	Yes
CFA21	Breeding and wintering birds	Tree sparrow at Bucks Head Farm, to the east of Weeford.	Construction	Temporary noise and visual disturbance from construction activities to both breeding and wintering birds.	No
CFA21	Breeding and wintering birds	Corn bunting at Bucks Head Farm, to the east of Weeford.	Construction	Temporary noise and visual disturbance from construction activities to both breeding and wintering birds.	No
CFA21	Bats	Common pipistrelle population using roosts at a Farm, near Hints.	Construction	<p>Permanent loss of three buildings each found to support a small non-breeding roost probably used by males and/or non-breeding females with a peak emergence of between one and three individuals.</p> <p>Common pipistrelle is a common and widely distributed species within the UK.</p>	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA21	Bats	Brown long-eared bat population using roosts at a Farm, near Hints.	Construction	Permanent loss of three buildings each found to support roosts probably used by males and/or non-breeding females, identified through DNA analysis of droppings. The number and distribution of droppings in two buildings is consistent with small non-breeding summer roosts, the third is identified as a feeding perch only due to the presence of a small number of droppings along with butterfly and moth wings.	Yes
CFA21	Bats	Common pipistrelle population using a roost at a farm near Packington Moor.	Construction	Temporary disturbance to one summer (non-breeding) roost for small number of common pipistrelle, approximately 15m from the land required for the construction of the Proposed Scheme, as a result of vibration and noise during construction.	Yes
CFA21	Bats	Common pipistrelle and brown long-eared bat population using building roosts along Drayton Lane, north-west of Drayton Bassett.	Construction	<p>Permanent loss of three building roosts within land required for the construction of the Proposed Scheme. One residential building and one barn found to be used in summer by small numbers of common pipistrelle and brown long-eared bats (peak emergence count of one to three individuals), probably used by males and/or non-breeding females.</p> <p>A second residential building was found with 50 scattered droppings indicating a non-breeding summer roost for common bat species (likely pipistrelle/brown long-eared bat).</p>	Yes
CFA21	Badger	Six social territories within the vicinity of the Proposed Scheme	Construction	Permanent loss of one active main sett, one active annexe sett, one partially active annexe sett, four active outlier setts and one partially active outlier setts. Reduction in foraging habitat and severance of six social territories.	Yes
CFA21	Badger	Six social territories within the vicinity of the Proposed Scheme	Operation	Permanent loss of individual badgers due to collision with trains.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Broadleaved plantation woodland	South-west of East Hill, Fradley Business Park	Construction	Permanent loss of 1.3ha of broadleaf woodland.	Yes
CFA22	Conifer plantation	West edge of Fradley Auction Centre	Construction	Permanent loss of 0.5ha of coniferous woodland.	Yes
CFA22	Conifer plantation	Brokendown Wood, adjacent to the Trent and Mersey canal	Construction	Permanent loss of 1.0ha of coniferous woodland.	Yes
CFA22	Hedgerows	Hedgerows surveyed along the route of the Proposed Scheme	Construction	Permanent residual loss and severance from hedgerows within the area.	Yes
CFA22	Semi-improved grassland	Elfield House, off Darnford Lane	Construction	Permanent loss of 0.2ha of semi-improved grassland.	Yes
CFA22	Semi-improved grassland	Potter's Thatch, Huddlesford	Construction	Permanent loss of 1.2ha of semi-improved grassland.	Yes
CFA22	Semi-improved grassland	South-west of Fradley Business Park	Construction	Permanent loss of 2.0ha of semi-improved grassland.	Yes
CFA22	Semi-improved grassland	Field next to Brokendown Wood, Fradley, north side of the Trent and Mersey canal	Construction	Permanent loss of 6.5ha of semi-improved grassland.	Yes
CFA22	Semi-improved grassland	Adjacent to north side of A515, Lichfield road, west of King's Bromley marina	Construction	Permanent loss of 0.1ha of semi-improved grassland.	Yes
CFA22	Semi-improved grassland	North of A515 Lichfield road, west of King's Bromley marina	Construction	Permanent loss of 3.0ha of semi-improved grassland.	Yes
CFA22	Semi-improved acid grassland	John's Gorse	Construction	Permanent loss of 5.6ha of semi-improved acid grassland.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Watercourse habitat	Unnamed tributary watercourse of the Mare Brook 48m north of Fulfen Wood, 336m West of Coventry Canal	Construction	Permanent adverse effect on watercourse habitat, form and function due to loss of habitat (approximately 100m) and severance of watercourse and its corridor through culvert placement.	No
CFA22	Watercourse habitat	Mare Brook	Construction	Permanent adverse effect on watercourse habitat, form and function due to loss of habitat (approximately 80m) and severance of watercourse and its corridor through culvert placement.	No
CFA22	Watercourse habitat	Unnamed tributary watercourse of the Mare Brook 320m South West of East Hill	Construction	Temporary adverse effect on watercourse form and function due to realignment of watercourse. Adverse effect will be offset through time as new alignment channel morphology and ecology become established. Potential for betterment over existing baseline as habitats develop.	No
CFA22	Terrestrial invertebrates	Assemblages using habitats at Fradley Wood (030-IT-87001), and Brokendown Wood (030-IT-188001)	Construction	Permanent loss and fragmentation of woodland habitats. Fragmentation and isolation of sites would affect those species with poor means of dispersal. Night time construction working or safety lighting may affect night-flying invertebrates, including moths. This may encourage them to congregate around any illumination and distort natural behaviour.	Yes
CFA22	Fish	Unnamed tributary watercourse of the Mare Brook 48m north of Fulfen Wood, 336m West of Coventry Canal	Construction	Permanent loss of habitat for fish and creation of a barrier to fish movement as a result of culvert placement (approximately 100m).	No
CFA22	Fish	Unnamed tributary watercourse of the Mare Brook 320m South West of East Hill	Construction	Temporary adverse effect on fish populations due to realignment of watercourse. Adverse effect will be offset through time as new alignment channel morphology develops as fish colonisation occurs. Potential for improvement to fish populations as habitats become established.	No

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Amphibians	Water body (030-AA-182001) west of Whittington	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-182002) west of Whittington	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-182005) west of Whittington	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-183020) south of Wyrley and Essington Canal	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-188001) north of Big Lyntus Wood	Construction	Permanent loss of 32.3ha of woodland, field and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-188018) north-west of Big Lyntus Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-188019) north-west of Ravenshaw Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-188020) west of Ravenshaw Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-188029) north-west Brokendown Wood	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-188030) north-west Brokendown Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189001) south of Kings Bromley Marina	Construction	Permanent loss of water body.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Amphibians	Water body (030-AA-189005) west of Ravenshaw Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189013) west of Ravenshaw Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189016) west of Ravenshaw Wood	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189018) south-east of Kings Bromley Marina	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189024) south-west of Kings Bromley Marina	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189027) south-west of Kings Bromley Marina	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189029) south-west of Kings Bromley Marina	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189039) south-west Ravenshaw Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189040) west of Kings Bromley Marina	Construction	Permanent loss of terrestrial habitat including fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-189041) south-west of Ravenshaw Wood	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes

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CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Amphibians	Water body (030-AA-190002) at Vicars Coppice	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-190022) at Vicars Coppice	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Amphibians	Water body (030-AA-190023) north of Vicars Coppice	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-190025) west of Kings Bromley Marina	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-190026) west of Kings Bromley Marina	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-190028) west of Vicars Coppice	Construction	Permanent loss of water body.	Yes
CFA22	Amphibians	Water body (030-AA-191002) north-east of Harveys Rough	Construction	Permanent loss of terrestrial habitat including woodland, fields and hedgerows within 500m of water body.	Yes
CFA22	Reptiles	Common lizard population at Whittington Heath Golf Course	Construction	Permanent partial loss of land supporting a low population size class of common lizards.	Yes
CFA22	Breeding and wintering birds	Dunnock, stock dove, song thrush using Ravenshaw, Black Slough and Slaish SBI.	Construction	Permanent displacement due to loss of approximately 9.4ha of breeding woodland habitat for common notable woodland species within Ravenshaw, Black Slough and Slaish SBI. Noise and visual disturbance from construction activities to both breeding and wintering birds.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Breeding and wintering birds	Notable species using Fradley Wood SBI	Construction	<p>Permanent displacement due to loss of approximately 3.1ha of breeding habitat for common notable woodland species within Fradley Wood SBI.</p> <p>Noise and visual disturbance from construction activities to both breeding and wintering birds.</p> <p>Bullfinch, dunnock, green woodpecker, mistle thrush, redwing (winter only), stock dove, spotted flycatcher (breeding only), song thrush, woodcock (winter only) and willow warbler (breeding only).</p>	Yes
CFA22	Breeding and wintering birds	Notable species using Vicar's Coppice BAS	Construction	<p>Permanent displacement due to loss of approximately 0.4ha of breeding and wintering habitat for common notable woodland species within Vicar's Coppice BAS.</p> <p>Noise and visual disturbance from construction activities to both breeding and wintering birds.</p> <p>This area of woodland to be lost consists of degraded edge habitat. It was not surveyed for birds, but is likely to support low numbers of common notable woodland species.</p>	Yes
CFA22	Breeding birds	Dunnock, stock dove, and song thrush using Ravenshaw, Black Slough and Slaish SBI.	Operation	Permanent but discontinuous impact of noise from passing trains may displace some notable species, reducing breeding density	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Bats	Bat assemblage using habitats associated with Fulfen Wood, Coventry Canal and Watery Bridge	Construction	Permanent loss and severance of habitats within the land required for the construction of the Proposed Scheme. Surveys found overall low levels of activity by common pipistrelle and soprano pipistrelle, both of these are commoner species. Individual passes by noctule, Leisler's, serotine, and <i>Myotis</i> species were also recorded occasionally throughout the survey period; indicative of passage or transient use rather than core foraging or commuting habitat for these species, which are rarer within the UK. Connectivity along the Coventry Canal will be retained.	Yes
CFA22	Bats	Assemblage of bats using habitats associated with the urban and arable habitats south-east of Handsacre between Lichfield Road and Tuppenhurst Road	Construction	Permanent loss and severance of habitats within land required for the construction of the Proposed Scheme. Survey found low levels of activity of common and soprano pipistrelle and <i>Myotis</i> species associated with arable field boundaries. Individual passes by noctule, Leisler's and serotine were recorded occasionally during static surveys indicative of passage or transient use rather than core foraging or commuting habitat for these species.	Yes
CFA22	Bats	Population of brown long-eared bat using a building roost at	Construction	Temporary disturbance to a summer (non-breeding) roost used by small numbers of brown long-eared bat from vibration and noise during construction. Found at a residential building along the outskirts of Handsacre, probably used by males and/or non-breeding females with a peak emergence of one. Brown long eared droppings (100+ droppings) were identified during inspection survey.	Yes

CFA	Habitat, species or species group	Receptor/location	Effect arising from construction or from operation?	Description of effect prior to 'other mitigation'	Effect addressed by mitigation and/or compensation proposed (Yes/No)
CFA22	Badger	Six social territories within the vicinity of the Proposed Scheme	Construction	Permanent loss of one disused main sett, one active outlier sett and six partially active outlier setts. Two active main setts are in proximity to the Proposed Scheme and may suffer disturbance during construction. Reduction in foraging habitat and severance of six social territories	Yes
CFA22	Badger	Six social territories within the vicinity of the Proposed Scheme	Operation	Permanent loss of individual badgers due to collision with trains.	Yes